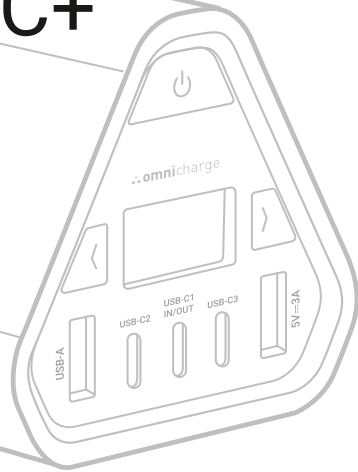


Omni 40C+

User Manual



www.omnicharge.co



DC PORT MAX OUTPUT 5A - 100W

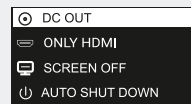
5V - 25V
WITH 0.1V ACCURACY

The DC output feature allows you to directly output DC power through the barrel port. To use this feature you will need to know the voltage and amperage of your device and have a compatible cable.

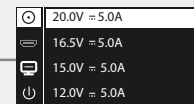
Warning: Using the wrong voltage may damage your device.

Enabling DC Output

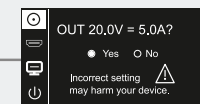
Step 1



Step 2



Step 3



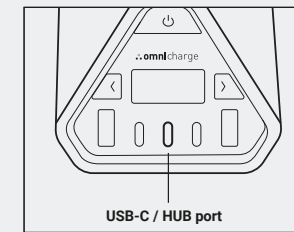
Omnicharge keeps 4 voltage presets. You can press and hold the power button while selecting a preset to customize the voltage and amperage.

DC Once active, a DC icon will appear on the screen.

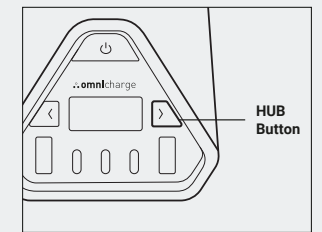
HOW TO USE HUB MODE

USB-C PORT IN/OUT

Use the Omni 40+ as a USB hub and transfer files between your smartphones, flash drives, cameras or laptops.



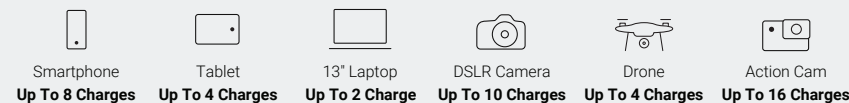
1. Connect the USB-C/HUB port (in the centre) to a USB-C port on your laptop.



2. Initiate HUB mode by short pressing the HUB button (Right button), and a HUB icon will appear on the screen.

Note: All the remaining USB-C ports and USB-A ports can be used to transfer files from smartphones, flash drives, cameras or other standard USB-A or USB-C devices.

POWER YOUR NEXT ADVENTURE



BEFORE USING THE OMNI 40C+

Calibrate the battery

To ensure a correct battery readout, calibrate the battery when you first receive the product and periodically in the future.

1. Fully discharge the Omnicharge until it cannot be turned on. Press the Power Button and you should see an empty battery icon on the screen.

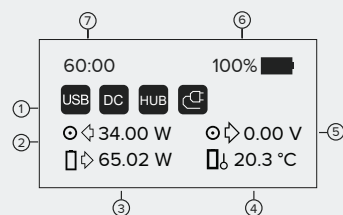
2. Fully charge your Omnicharge to 100% to finish the calibration. Once you see a fully charged battery icon, you can power the Omnicharge back on.



Note: When not in use, the Omnicharge should be stored at full battery and fully charged at least every 6 months to avoid over depletion. Failure to do so can cause the battery to malfunction and is not covered by warranty.

SCREEN

OLED screen with real time metrics



- Status Icons
- Power Input (watts)
- Battery Power Output (watts)
- Battery Temperature
- DC Output Voltage
- Battery Percentage
- Time Remaining

BUTTON FUNCTIONS

PRIMARY CONTROLS

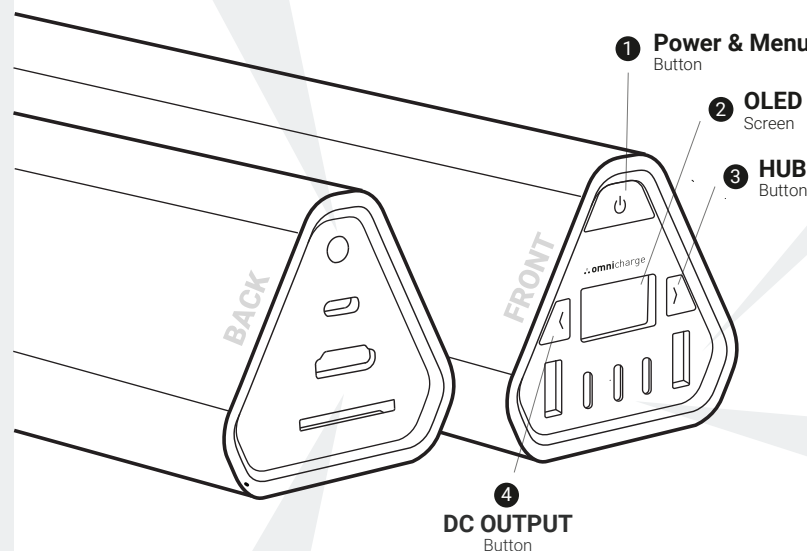
- Power Button: Long press to power On
- Power Button: Long press to power Off

MENU CONTROLS

- Power Button: Double press to enter the menu
- Power Button: Quick press to select

- Left Button: On/Off DC Outlet
- Right Button: On/Off HUB

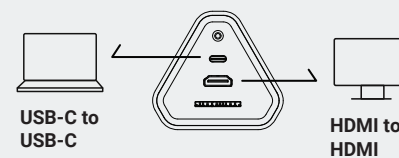
- Left Button: Move up
- Right Button: Move down



HDMI PORT 4K/30HZ

Supports 3840x2160px resolution.

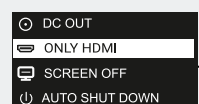
The Omni 40C+ is equipped with an HDMI port that can mirror any laptop screen to a 4K monitor while charging the laptop at the same time.



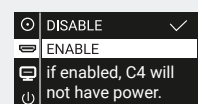
C4 and HDMI icons will display when using the HDMI function

ENABLING ONLY HDMI

Use this feature when the Omni 40C+ is at a low battery level, and only HDMI is needed.



Double press the power button and select only HDMI



Select enable

C4 icon is hidden
HDMI icon always displays



SD CARD SLOT USB 3.0 SD/SDHC/SDXC

The Omni 40C+ is equipped with an SD card slot, allowing direct access to files (photos, videos, music, etc.) at high speed from the USB-C4 port.



USB-A PORTS MAX OUTPUT 18W

USB-A Ports: Quick Charge QC3.0 compatible, 18W Max



USB-C PORTS MAX OUTPUT 140W (COMBINED OUTPUT 150W)

USB-C Port 1: 100W Max

USB-C Ports 2&3: 30W Max

USB-C Port 4: 100W Max

The USB-C ports are always on and need no configuration. Simply plug your USB-C device into any USB-C port to start charging.

Note: The USB-C4 and DC port share the same power circuit and cannot be used at the same time.



RECHARGING YOUR OMNICHARGE

1) FROM THE USB-C PORT

USB-C port max input: 90W

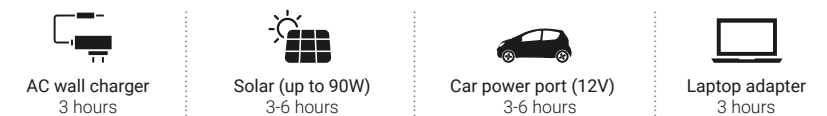
Connect a USB-C wall charger and it will automatically start recharging the Omni 40C+. If the Omnicharge does not detect incoming power, try to plug in your USB-C charger while the Omnicharge is turned off.

2) FROM THE BARREL PORT

DC Input 5V - 25V, Up to 5A, Max 90W

To charge from the barrel port make sure you have a compatible charger. The Omni 40C+ uses a common 5.5 x 2.5mm connector and accepts voltages in the 5V-25V range.

Note: The USB-C4 and DC port share the same power circuit and cannot be used at the same time.



PASS-THROUGH CHARGING

Pass-through charging means that you input power to the Omnicharge while outputting power to your device (passing the power through the Omnicharge). All Omnicharge products support pass-through charging. This means that you can input power through the USB-C or DC port, and output to USB-C and USB-A.

OMNICHARGE ONE-YEAR LIMITED MANUFACTURER'S WARRANTY

Omnicharge warrants that its hardware product shall be free from defects in materials and workmanship for one (1) year beginning from the date of original retail purchase. Omnicharge does not warrant against normal wear and tear, nor damage caused by accident or abuse.

See www.omnicharge.co/warranty for specific warranty information about your product and procedures to act on a warranty claim. Omnicharge's entire liability and your exclusive remedy for any breach of warranty shall be at Omnicharge's option, to repair or replace a functional equivalent of the product. You may be required to furnish proof of purchase details when making a claim under this warranty. Warranty protections are in addition to rights provided under local consumer laws and may vary among countries, states and provinces. See the full warranty information to know your consumer rights and the additional protections provided by this product warranty.

www.omnicharge.co/warranty

CUSTOMER SUPPORT

All Omnicharge products have gone through quality inspection. If you find your Omnicharge or any Omnicharge accessory is demonstrating any abnormal behavior, immediately stop all product use and contact us at: support@omnicharge.co, or visit our help center at <https://support.omnicharge.co>



FREQUENTLY ASKED QUESTIONS

1. Can I carry my Omni 40C+ with me on the plane?

This depends on the airline. Many airlines allow up to two batteries between 100Wh - 150Wh with airline approval. In most cases this just means that you need to fill out a form at check-in. If you are unsure, consult with your airline prior to travel.

2. Can I charge the Omnicharge while powering my devices?

Yes, this is known as pass-through charging. The Omni 40C+ can input power from either USB-C or DC port, and can output from all other ports at the same time. The DC and USB-C4 port share a charging circuit. When pass-through charging, only one USB-C port may be used at a time.

3. My Omnicharge is overheating while recharging.

Fast charging generates a lot of heat. When recharging immediately after a heavy discharge, you may experience an OT (over temperature) warning. This is normal behavior, the Omnicharge will resume charging once it has reached a functional temperature.

4. Can I charge my Omnicharge from a solar panel?

Yes, the Omni 40C+ can be recharged using most portable solar panels. Make sure your solar panel falls within the specs of the DC barrel port (5v-25v).

5. Why is my Omnicharge outputting power when nothing is connected?

This is perfectly normal behavior. The passive power draw can vary from 0.2W-1.5W and is required for the onboard circuits and display.

6. What is USB PD (Power Delivery)?

USB PD is a unified charging standard that uses standardized voltages which allows one universal USB-C charger to power other PD compatible devices like laptops, tablets, or phones.

SCREEN ICONS

C4 OUTPUT
Device is connected to the back USB-C port.

HDMI
Device is connected to the HDMI port.

SOLAR CHARGING
Charging from solar power.

ADJUSTABLE DC OUTPUT
Adjustable DC output is activated.

LOW TEMPERATURE PROTECTION
Battery's temperature is too low, the charging circuit is shut off.

OVERPOWER PROTECTION
Device is drawing too much power. Omnicharge will limit or cut off the output power.

LOW POWER PROTECTION
If output is higher than input and the battery is empty. Omnicharge will cut power until a sufficient battery level has been reached.

USB OUTPUT
USB ports are turned on.

RECHARGING
Your Omnicharge is being charged.

OPTIMAL CHARGING
Charging at maximum power.

OVERHEATING PROTECTION
Battery temperature is too high. Omnicharge will limit or cut off its input and output power.

OVERVOLTAGE PROTECTION
Barrel input voltage exceeds the 25V limit. Input charging circuit is shut off.

HUB
Hub mode is activated.

SAFETY AND HANDLING

Read all instructions and cautions carefully before use to avoid personal injury or damage to the unit and any connected products.

1. Handling

Set up your Omnicharge on a hard, stable work surface which allows for adequate air ventilation around the power bank. The Omnicharge may be damaged if dropped, burned, punctured, crushed, exposed to heat or moisture. Do not use a damaged Omnicharge as it may cause injury.

2. High Temperature

Do not store the device in high-temperature environments, including heat caused by intense sunlight or other forms of heat. Do not the place device in excessively hot environments like cars or near fire.

3. Shock or Fire Hazard

Omnicharge products with AC output generate the same potentially lethal AC power as a normal household wall outlet. Please use it carefully just like using a normal AC wall outlet. DO NOT insert foreign objects into outputs or ventilation holes.

4. DC Output

Omnicharge products with DC output operate on a specified voltage. Check your device specifications for the operating voltage before use. Improper use of DC output may harm your device.

5. Battery

Your Omnicharge is not user serviceable, do not attempt to replace or modify the battery yourself, this may damage the battery which can cause overheating, fire or injury. Improperly replaced batteries may present a risk of leakage, explosion and personal injury. Any manipulation to the unit or its components will void all warranties.

6. Recycling

The battery in your device should be serviced or recycled by an authorized service provider, and must be recycled or disposed of separately from household waste. Dispose of batteries according to your local environmental laws and guidelines. If no laws or regulations govern, dispose of your Omnicharge in a waste bin for electronics.

NOTICE

This product is meant for use only in conjunction with appropriate devices. Please consult your device packaging to determine whether this product is compatible with your particular device. The manufacturer is not responsible for any damages to any device incurred through the use of this product.

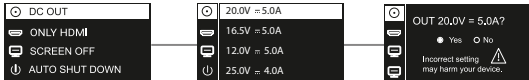
The manufacturer shall not in any way be liable to you or to any third party for any damages you or any third party may suffer as a result of use, intended or unintended, or misuse of this product in conjunction with any device or accessory other than the appropriate device for which this product is designed.

The manufacturer shall not be responsible for any damages you or any third party may suffer as a result of misuse of this product as outlined above.

You are responsible for product use with an unintended device and any damages resulting from such use. You agree to indemnify the manufacturer for any resulting injuries to any third party(ies).

MENU NAVIGATION

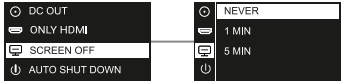
1. DC OUT
Turn on DC output. Set the voltage and amperage by long pressing the power button.



2. ONLY HDMI
Enable HDMI only, when the battery is low. This function disables the C4 USB-C port power.



3. SCREEN OFF TIMER
Set the screen auto shut-off time. The default setting is 5 min.



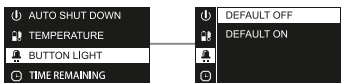
4. AUTO SHUT DOWN
Set the power auto shut-off time. The default setting is 5 min.



5. TEMPERATURE
Choose whether the temperature is displayed in celsius or fahrenheit.



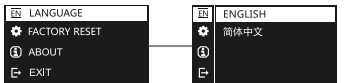
6. BUTTON LIGHT
Choose whether the button lights are on or off. The default setting is on.



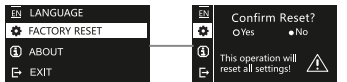
7. TIME REMAINING
Choose whether the time remaining is displayed.



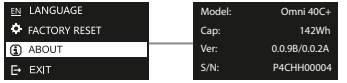
8. LANGUAGE
Choose the screen language.



9. FACTORY RESET
Reset the Omnicharge to factory settings.



10. ABOUT
Find the model name, capacity, firmware version, and serial number information here.



TECHNICAL SPECS

GENERAL
Weight: 2.43lbs (1100g)
Dimensions: 9.5" x 2.7" x 2.5"(24.3 x 7.1 x 6.5 cm)
Combined output all ports: 150W

USB-C OUTPUT
Bidirectional Input / Output charging
INPUT:
USB-C PD: 5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V=5A, 90W max

OUTPUT:
USB-C1: 5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V=5A, 100W max
USB-C2&3: 5V=3A, 9V=3A, 15V=3A, 30W max
USB-C4: 5V=3A, 9V=3A, 12V=3A, 15V=2A, 20V=5A, 28V=5A, 100W max

USB-A OUTPUT
Port 1&2: 5V=3A, 9V=3A, 12V=2A 18W Max

DC PORT
Bidirectional Input/output charging
INPUT: 5~25V, up to 5A, 90W Max
OUTPUT: 5~25V, up to 5A, 100W Max

HUB (Front)
USB-A: USB3.0 / USB-C: USB 2.0

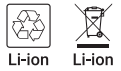
HDMI (Back)
4K/30Hz / HDMI

SD (Back)
SD/SDHC/SDXC / USB3.0

BATTERY CAPACITY
12 cells, 142Wh (6400mAh@22.2V)
38,400mAh

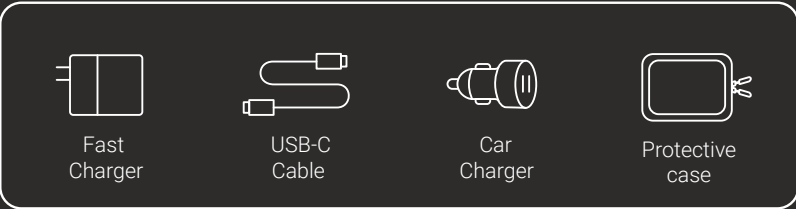
OPERATING ENVIRONMENT
Temperature 0°C-40°C
Humidity 30-70%
Altitude ≤ 2000m

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